LESSON MAKER PRO

Number Sentence Sleuths

Find missing numbers in everyday math.

GRADE 2 · 2.A.2.3

2.A.2.3 "Apply the commutative property, identity property, and number sense to find values for unknowns that make addition and subtraction number sentences true or false."

NAME _____ DATE _____

FIND WHAT FITS

Switching the order of numbers you add keeps the total the same. Adding 0 keeps a number the same. Use addition or subtraction to find a missing number, then check it.

WORKED EXAMPLE

A box has 4 blue blocks and some red blocks. There are 13 blocks in all. Fill the blank: 4 + ____ = 13.

1. Start with 13 blocks in all.
2. Take away the 4 blue blocks: 13 - 4 = 9.
3. Check: 4 + 9 = 13.

Answer: 9

PRACTICE 5 problems

1 There are 2 red toy cars and 5 blue toy cars. Fill the blank: 2 + 5 = 5 + ___.

ANSWER _____

2 Mia has 8 stickers. She gets 0 more. Fill the blank: 8 + ___ = 8.

ANSWER _____

3 There are 11 cookies. Some are eaten, and 8 are left. Fill the blank: 11 - ___ = 8.

ANSWER _____

4 A jar has 7 green beads and some yellow beads. There are 12 beads in all. Fill the blank: 7 + ___ = 12.

ANSWER _____

5 A box has 5 pencils. You put 2 more in. Is 5 + 2 = 8 true or false?

ANSWER _____

APPLY IT Show your work

1 A plate has 3 apple slices and 8 grape slices. Fill the blank: 3 + 8 = ___ + 3.

WORK SPACE

ANSWER _____

2 You have 15 game tokens. You use some and have 10 left. Fill the blank: 15 - ___ = 10.

WORK SPACE

ANSWER _____

CHALLENGE One step up

A basket has 12 apples. You take out 5. Is 12 - 5 = 5 + 2 true or false? Tell why.

WORK SPACE AND ANSWER

ANSWER KEY

Number Sentence Sleuths

GRADE 2 · 2.A.2.3

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	There are 2 red toy cars and 5 blue toy cars. Fill the blank: 2 + 5 = 5 + ___.	**2**
2	Mia has 8 stickers. She gets 0 more. Fill the blank: 8 + ___ = 8.	**0**
3	There are 11 cookies. Some are eaten, and 8 are left. Fill the blank: 11 - ___ = 8.	**3**
4	A jar has 7 green beads and some yellow beads. There are 12 beads in all. Fill the blank: 7 + ___ = 12.	**5**
5	A box has 5 pencils. You put 2 more in. Is 5 + 2 = 8 true or false?	**False**

PART 2 · APPLY IT

1. **8** Switching the order of the numbers being added keeps the total the same.
2. **5** Subtract 10 from 15 to find that 5 tokens were used.

CHALLENGE

True. Both sides equal 7.

For the challenge, accept any explanation that shows both sides equal 7.